

KOROTKOV, B.

KOROTKOV, B., inzhener.

Coating blocks and other building products during the moulding
process. Stroimaterial no.9:40 S '57. (MLRA 10:10)
(Building blocks)

KOROTKOV, B.L., inzhener.

Advanced method of house building. Izobr.v SSSR 2 no.11:31-33
'57. (MIRA 10:10)
(Buildings, Prefabricated)

изобретение
KOROTKOV, B.L., inzh.

Universal sectional pins used for reinforced concrete products.
Izobr.v SSSR 3 no.1:9 Ja '58. (MIRA 11:1)
(Prestressed concrete)

KOROTKOV, B., inzh.

New design for the dragline bucket. Stroi. mat. 4 no.2:34-35

F '58.

(MIRA 11:2)

(Excavating machinery)

LOICHTROV, B.P., WYNS, B.A., Doz.

"Kinematic accuracy of mechanical linkages" (Section II)

report submitted for Measurement and Automation, Scientific Society for (Hungarian)
Intl Measurements Conference - Budapest, Hungary, 24-30 Nov 58

D'YAKONOV, A.I.; KOROTKOV, B.S.

Geological structure and oil and gas potentials of the
southern slope of the northwestern Caucasus. Neftegaz,
geol. i geofiz. no.3:6-9 '63. (MIRA 16:8)

1. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'-
skogo neftegazovogo instituta.

PEKLO, V.P.; KOROTKOV, B.S.

New data on the geology of and prospects for oil and gas
in the Goryachiy-Klyuch area. Neftegaz. geol. i geofiz.
no.7:33-35 '63. (MIRA 17:10)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-
issledovatel'skogo instituta.

KOROTKOV, B.S.; MITIN, N.Ye.; TESLENKO, P.F.

Evaluation of oil and gas bearing prospects of the Maykop
sediments in Krasnodar Territory. Izv. vys. ucheb. zav.; neft'
i gaz. 7 no.10:3-7 '64. (MIRA 18:2)

1. Rostovskiy gosudarstvennyy universitet i Krasnodarskiy filial
Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta.

PEKLO, V.P.; KOROTKOV, B.S.

Flysch facies of the Kuma series of the Upper Eocene in the northwestern Caucasus in connection with the prospects for finding gas and oil. Neftegaz. geol. i geofiz. no.11:10-12 '64.
(MIRA 18:3)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta.

KOROTKOV, D.I.

Measuring rest potentials in a wound as a method for comparing
the effect of some ganglion-blocking drugs. Trudy ISGMI 45:
300-303 '58 (MIRA 11:11)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta
(zav. kafedroy - prof. K.A. Grigorovich).
(AUTONOMIC DRUGS)
(ELECTROPHYSIOLOGY)

KOROTKOV, D.I.

137-1958-3-5031

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 82 (USSR)

AUTHOR: Korotkov, D. I.

TITLE: Profiles of Rolls in Sheet-metal Mills and Measures for the Prevention of Warping of Sheets (Profilirovka valkov listovykh stanov i mery bor'by s korobovatost'yu listov)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 566-570

ABSTRACT: Presentation of a method employed in the shaping of cast iron rolls (R) of two- and three-high sheet rolling stands of the Andreyev plant. The three-high stands (with R's 860/650/860 mm and 760/600/760 mm in diameter, and 2750 mm and 2200 mm long, respectively), arranged in sequence and driven by a single 2000 hp electric motor, are employed in the rolling of low-carbon steel (6-20 mm thick), three-ply steel utilized in ploughs, and steel strips 4.6 mm thick. The outer rolls in the small stand are cylindrical in shape. Owing to a constant growth in the production of 4.6 x 1200 x 14000 mm sheets, a new method was introduced in 1952: the first, cylindrical central R was replaced by an R with an 0.5 mm taper (T); this was followed by an R with

Card 1/3

137-1958-3-5031

Profiles of Rolls in Sheet-metal Mills and Measures for the Prevention (cont.)

a T of 0.3 mm, and by a cylindrical R; all succeeding R's had a gradually increasing T, the last R having a T of +1.4 mm. According to the new profiling system the outer R's of the large stand were turned to a T of +0.5 mm; the first center R was given a -0.5 mm T, and all the subsequent R's were tapered as follows: -0.3 mm, two cylindrical R's, two +0.3 mm R's, followed by +0.6 mm, +0.9 mm, +1.2 mm, +1.5 mm, and +1.8 mm. The length of the cylindrical portion of the R's in both the large and the small stand remained unaltered (750 mm and 600 mm, respectively). With the introduction of the new profiles of R's the number of rejects caused by the ramming of sheets against the frame of the mill was only a third of the earlier figures and did not exceed 0.02 percent. For the production of roofing sheet metal, the identically tapered (-0.3 mm) concave rollers of the two-high rolling stands were replaced by an upper concave R with a T of -0.32 mm, and a lower R with a T of -0.28 mm. This arrangement facilitated the rapid adjustment of the rolling mill at the outset of operations and reduced the amount of spoilage. The following considerations are essential if the warping of sheets is to be prevented: a) timely replacement of the center R's; b) rolling of wide sheets must be followed by

Card 2/3

137-1958-3-5031

Profiles of Rolls in Sheet-metal Mills and Measures for the Prevention (cont.)

the rolling of narrower sheets; c) hot-straightening of sheets must be accomplished without delay; d) sheets must not pile up on the conveyor of the rolling mill. Ref. RzhMet, 1957, Nr 12, 23684.

M. Z.

Card 3/3

KOROTKOV, D.V., insh. D.V.

New standards for rails and rail fastenings. Transp.stroi. 7
no.7:29-30 J1 '57. (MIRA 10:11)

(Railroads--Rails--Standards)

L 21402-66 EMT(d)/EWP(f)/EPF(n)-2/EWP(v)/T-2/EWP(k)/EWP(h)/EWP(l)/ETC(m)-6 YW
 ACC NR: AP6009924 SOURCE CODE: UR/0413/66/000/004/0118/0119

INVENTOR: Korotkov, F. A.; Mushenko, G. I.; Dobrynin, A. N.; Sokolov, Ye. A.;
 Lebedev, K. V. 49
 B

ORG: none

TITLE: Fuel feed control device for gas turbine engines. Class 46, No. 179127

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966,
 118-119

TOPIC TAGS: gas turbine installation, engine turbine system, turbine fuel system,
 fuel pump

ABSTRACT: The proposed fuel feed regulator contains a fuel pump which feeds the fuel to a metering needle valve with a servo-plunger whose cavities are connected by a duct. The device also includes an engine speed limiter and speed governor, an automatic starter, and a minimum pressure valve which are located parallel to the constant pressure-gradient valve which maintains a constant fuel pressure drop across the needle valve (see Fig. 1). To increase the accuracy of control and reduce the weight and size, one of the plunger cavities is directly connected to the same line through a jet nozzle and a throttle unit. The duct between the cavities is also connected to the control element of the starter and through the minimum pressure valve to the sensing element of the speed limiter and speed governor.

Card 1/2

UDC: 621.438-543.3-531.9

L 21402-66

ACC NR: AP6009924

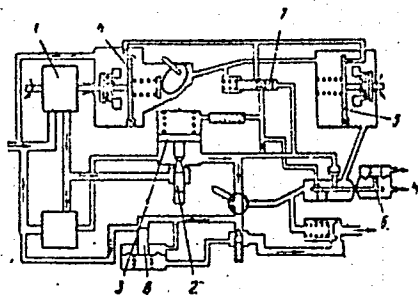


Fig. 1. Fuel feed regulator

1 - Fuel pump; 2 - needle valve; 3 - servo plunger; 4 - speed governor; 5 - speed limiter; 6 - automatic starter; 7 - minimum pressure valve; 8 - maximum flow rate regulator.

To increase the accuracy of control of the turbocompressor speeds and of the regulation of helicopter rotor rpm's in a variation of this device, the speed governor actuation is based on a derivative and the speed limiter is similar in design with a residual nonuniformity. In order to eliminate the effect of leakage on the maximum fuel flow rate, the regulator is made in the form of a jet nozzle and a constant pressure gradient valve. Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 05Sep63/ ATD PRESS: 4221

Card 2/2

ULR

34089

S/019/61/000/023/066/082

A154/A126

26.2190

AUTHORS: Dobrynin, A.N., Korotkov, F.A., Lebedev, K.V., Sokolov, Ye.A.

TITLE: A speed regulator for a low-power gas-turbine engine

PERIODICAL: Byulleten' izobreteniy, no. 23, 1961, 66 - 67

TEXT: Class 46f, 801, no. 143277 (721397/25 of March 14, 1961). A speed regulator for a low-power gas-turbine engine, acting on the speed parameter and its derivative, consisting of an all-condition centrifugal speedometer, a metering needle with a constant differential valve actuated by a hydraulic servomotor, a jet, a throttling device and a bypass nozzle butterfly valve, distinguished by the fact that, in order to simplify the design and dispense with separate fuel consumption for driving the servomotor, the butterfly valve is directly combined with the speedometer and the bypass nozzle is connected with the space behind the metering needle through the jet and with the servomotor through the throttling device. ✓

Card 1/1

KOROTKOV, F.G., professor

Television at home. Zdorov'e 2 no.8:20 Ag '56.

(MLR 9:9)

1. Vitse-prezident Akademii meditsinskikh nauk SSSR
(TELEVISION)

<p>KOROTKOV, E. S.</p> <p>CA</p> <p>13</p> <p>Preparation and use of liquids for hydraulic brakes of automobiles. P. S. Korotkov. <i>Automobil. Prom.</i> 1948, No. 4, 18-19. - The recommended mixt. of castor oil and BuOH has to meet the specifications: viscosity at 50°, 1.80-2.2°E.; neutral to litmus, absence of corrosion of Cu or Zn in 72 hrs., swelling of rubber at 18-20°, 72 hrs., not over 1.2% wt. increase, no layering in 30 min at 40°. Use of pure castor oil or of glycerol is inadmissible.</p> <p>N. Thon</p>																									
<p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

KOROTKOV, F.S.

Antifriction properties of phosphate coatings on steel surfaces. Avtomobil.
i Traktor. Prom. '53, No.1, 17-19. (MIRA 6:3)
(GA 47 no.19:9889 '53)

1. Gor'kov Avtozavod im. Molotova.

GINTSBERG, Aleksandr Solomonovich; VASIL'YEV, B.D., red.; KOROTKOV,
G.A., red.; ROZOV, L.K., tekhn. red.

[Model designs for apartment houses at industrial sites] Ti-
povoe proektirovanie zhilykh zdaniy pri industrial'nom
stroitel'stve. Leningrad, Gos.izd-vo po stroit. i arkhitekt.,
1954. 193 p. (MIRA 16:9)

1. Chlen-korrespondent Akademii arkhitektury SSSR (for
Vasil'yev).
(Apartment houses--Design and construction)

KOROTKOV, G.A.

Efficient utilization of scrap and waste products of
alloyed metals. Biul.tekh.-ekon.inform.Gos.nauch.-issl.
inst.nauch.i tekhn.inform. no.8:57 Ag '65.

(MIRA 18:12)

ZHIGULA, A.V.; KOROTKOV, G.I.; KUCHERENKO, V.G.; GLUSHCHENKO, A.S.;
POLTORAK, P.A.

Semiautomatic cutting of thick sheet. Metallurg 10 no.6:32
Je '65. (MIRA 18:6)

1. Zavod im. Il'icha i Donetskiiy sovet narodnogo khozyaystva.

KOROTKOV, G.I.; KUCHERENKO, V.G.; ZAKHAROV, A.Ye.; OVSIANNIKOVA, T.M.;
PANKOV, M.I.

Removal of riser heads. Metallurg 8 no.7:23 J1 '63. (MIRA 16:8)

1. Zhdanovskiy metallurgicheskiy zavod im. Il'icha.
(Steel ingots)

GONCHAROV, S.F., kand. tekhn. nauk; KOROTKOV, G.P., inzh.; KOGOSOV, B.Ye., red.;
GOL'DENTUL, B.A., red.; MATSEYEVSKAYA, Ye.M., tekhn. red.

[Automatic control of pumping stations used for railroad water
supply] Avtomatizatsiia nasosnykh stantsii zheleznodorozhnogo
vodosnabzheniia. Moskva, Gos.transp.zhel-dor. izd-vo. 1950. 122 p.
(Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 41) (MIRA 12:1)
(Railroads--Water supply) (Automatic control)

GONCHAROV, S.P.; KOROTKOV, G.P.; KALIKHOVICH, V.N.; SALENKO, S.V., inzhener,
redakter; VERINA, G.P., tekhnicheskii redakter.

[Automatic control in railroad water supply pumping stations] Avto-
matischeskoe upravlenie nasosnymi stantsiyami shekhnodereshnogo vo-
dopostavleniya. Moskva, Gos.transporthoe shel-der. izd-vo, 1955.157p.
(Vsesoiuznyi nauchno-issledovatel'skii institut shekhnodereshnogo
transporta. Trudy, no.106) (MIRA 9:2)
(Pumping stations) (Railroads--Water supply) (Automatic control)

1007/1007
KALIKHOVICH, V.N., inzh.; KOROTKOV, G.P., inzh.

Automatic pumping station for railroad water supply. Zhel. dor.
transp. 40 no.1:54-56 Ja '58. (MIRA 11:1)
(Railroads--Water supply)
(Pumping stations)

Korotkov, G. S.
KOROTKOV, G. S.

ical Engineering Abstracts

1954

ical Engineering

621.316.1
2342. Reconstruction of urban distribution networks as double-radial systems. G. S. KOROTKOV. *Energetik*, 1953, No. 6, 9-13. In Russian.

Conversion of a radial distribution system into double-radial requires adding at least a second independent supply line to each substation, addition of h.v. busbar sectionalizing switches and transformers of sufficient rating to supply full load of both sections of the substation during the time required for repairs of either supply line. Details of such conversion in the Moscow network are shown. Conversion is made by a section between substations at a time, while part of the system can still operate as radial.

J. LUKASZEWICZ

KOROTKOV, G.S., inzh.; LIBINZON, M.M., inzh.

Economy of electric power in municipal networks. Elek. sta. 32
no.7:46-49 J1 '61. (MIRA 14:10)
(Electric power distribution)

KOROTKOV, Georgiy Sergeyevich; SMIRNOV, Vladimir Alekseyevich;
SONINA, Leonida Matveyevna; SHALYT, G.M., red.; BUL'DYAYEV,
N.A., tekhn. red.

[Experience in the use of complex automatic and remote
control in a district of a municipal electric power distri-
bution network] Opyt kompleksnoi avtomatizatsii i telemekha-
nizatsii raiona gorodskoi elektricheskoi seti. Moskva, Gos-
energoizdat, 1963. 119 p. (MIRA 16:6)
(Electric power distribution)

KOROTKOV, G.S.

Noncontact electric actuating devices of constant speed.
Priborostroenie no.10:20-21 0 '64.

(MIRA 17:11)

AMMOSOV, I.I., red.; BURTSEV, D.N., red.; GORYUNOV, S.V., red.;
 GUSEV, A.I., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A.,
 red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.;
 MOLCHANOV, I.I., red.; NEKIPELOV, V.Ye., red.; PONOMAREV,
 T.N., red.; POPOV, V.P., red.; PROKHOROV, S.P., red.;
 SKROBOV, S.A., red.; TYZHN OV, A.V., red.; SHABAROV, N.V.,
 red.; YAVORSKIY, V.I., red.; BOBRY SHEV, A.T., red. toma;
 VINOGRADOV, B.G., red. toma; VOLKOV, K.Yu., zam. red. toma;
 LUGOVOY, G.I., zam. red. toma; OGARKOV, V.S., red. toma;
 SIMONOV, A.V., red. toma; IZRAILEVA, G.A., red. izd-va;
 IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale deposits in the
 U.S.S.R.] Geologiya mestorozhdenii uгля i goriuchikh slan-
 tsev SSSR. Glav. red. I.I. Ammosov i dr. Moskva, Gosgeoltekh-
 izdat. Vol. 2. [Moscow Basin and other coal deposits in
 central and eastern provinces of the European part of the
 U.S.S.R.] Podmoskovnyi bassein i drugie mestorozhdeniia uгля
 tsentral'nykh i vostochnykh oblastei Evropeiskoi chasti
 RSFSR. 1962. 569 p. maps. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany
 nedr.

(Coal geology)

GAZIZOV, M.S., kand. geol.-miner. nauk; LEBEDYANSKAYA, Z.P., inzh.;
 UNKOVSKAYA, H.F., inzh.; KOSTENKO, V.I., inzh.; PROZOROV, L.B.,
 kand. tekhn.nauk; BESPALOV, P.M., inzh.; KRAVCHUK, S.V., inzh.;
 KRUPKIN, L.V., inzh.; KRUPKIN, L.V., inzh.; BEZPALOVA, S.I., inzh.;
 SHCHERBATENKO, A.P., inzh.; KOROTKOV, G.V., kand. geol.-mineral.
 nauk, retsenzent; VASIL'YEV, P.V., doktor geol.-mineral. nauk;
 retsenzent; SHEVYAKOV, L.D., akad., otv. red.; MAN'KOVSKIY, G.I., otv. red.;
 STOLYAROV, A.G., red. isd-va; GUSEVA, A.P., tekhn. red.; RYLINA, Yu.V., tekhn.
 red.

[Experience in lowering the water table in mineral deposits under
 complex hydrogeological conditions] Opyt vodoponizheniya na
 mestorozhdeniyakh poleznykh iskopaemykh so slozhnymi gidrogeole-
 gicheskimi usloviyami. Moskva, Izd-vo Akad. nauk SSSR, 1963.
 411 p. (MIRA 16:5)

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Chlen-
 korrespondent Akademii nauk SSSR zaveduyushchiy Laboratoriyey
 spetsial'nykh sposobov prokhodki gornykh vyrabotok i vodoponi-
 zheniya Nauchno-issledovatel'skogo instituta Kurskoy magnitnoy
 anomalii (for Man'kovskiy).

(Water, Underground) (Ore deposits)

SKROBOV, S.A., glav. red.; TYZHNOV, A.V., zam. glav. red.; SHABAROV, N.V., zam. glav. red.; AMOSOV, I.I., redaktor; red.; BURTSEV, D.N., red.; IVANOV, G.A., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., redaktor; MOLCHANOV, I.I., redaktor; NEKIPELOV, V.Ye., red.; PONOMAREV, T.N., red.; POPOV, V.S., red.; PROKHOROV, S.P., red.; YAVORSKIY, V.I., red.; LAGUTINA, V.V., red. toma; LEVENSHTeyN, M.L., red. toma; SHIROKOV, A.Z., red. toma; IZRAILEVA, G.A., red.izd-va; KROTOVA, I.Ye., red. izd-va; IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale in the U.S.S.R.]Geologiya mestorozhdenii uglia i goriuchikh slantsev SSSR. Glav. red. I.I. Amosov i dr. Moskva, Gosgeoltekhizdat. Vol.1.[Coal basins and deposits in the south of the European part of the U.S.S.S.;Donets Basin, Dnieper Basin, Lvov-Volyn' Basin, deposits of the western provinces of Moldavia and the Ukraine, White Russia, Transcaucasia and the Northern Caucasus] Ugol'nye basseiny i mestorozhdeniia iuga Evropeiskoi chasti SSSR; Donetskii bassein, Dneprovskii bassein, L'vovsko-Volynskii bassein, mestorozhdeniia zapadnykh oblastei Ukrainy i Moldavii, Belorussii, Severnogo Kavkaza i Zakavkaz'ia. 1963. 1210 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskii komitet.

KOROTKOV, G.Ye.

Efficient method for dynamic calculation of curvilinear bars and
arches. Trudy Khab. IIT no.7:134-146 '54. (MLRA 8:1)
(Elasticity) (Structures, Theory of)

KOROTKOV, G. YE.

Korotkov, G. Ye.

"The Problem of the Precision of Calculating Non-Articulated Continuous Arches." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obrastsov. Leningrad, 1955 (dissertation for the degree of Candidate in Technical Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

KOROTKOV, G.Ye., inzhener.

Investigation of the problem of thrust in unarticulated slanting
arches. Trudy Khim. i Fiz. no.9:167-173 '56. (MLA 9:12)
(Arches)

KOROTKOV, I.

Exhibits of the Moscow Economic Council. Mashinostroytel'
no.2:40-43 F '64. (MIRA 17:3)

FORSTKOV, I., polkovnik

Bibliographical work on the military theory legacy of V.I.
Lenin. Komm. Vooruzh. Sil 4 no. 10:91-93 My '64.

(MIRA 17:7)

KOROTKOV, I., polkovnik

Communications in an artillery battalion operating as part of
a forward detachment. Voen.vest. 40 no.10:82-83 0 '60.

(MIRA 14:5)

(Artillery, Field and mountain)
(Radio, Military)

KOROTKOV, I., polkovnik

Organization of communications in an artillery division in a meeting
engagement. Voen. vest 42 no.2:52-53 F '63. (MIRA 17:2)

KOROTKOV, I. (Melitopol')

Bird sanctuary. IUn.nat. no. 10:21 0 '60. (MIRA 14:4)
(Kirillovka (Zaporozh'ye Province)--Birds)

KOROTKOV, I.L. (Kuybyshev)

Tests to determine the degree of fat extraction. Vopr.pit. 17
no.1:102 Ja-F '58. (MIRA 11:4)
(EXTRACTION (CHEMISTRY))

KOROTKOV, I.I.

Vitamin C activity in candied currants and jams from fruits
and berries rich in vitamin C. Vop. pit. 21 no.6. 70-80 N-D
'62. (MIRA 17:5)

1. Iz kafedry gigiyeny (zav. - prof. Kh.A. Nikogosyan) Lybyshevskogo
meditsinskogo instituta.

PROPERTY AND PROPERTIES INDEX		17	
<p>CA</p> <p>Dichromate method of estimation of vitamin C in extracts [plant]. 1. L. Kopylov. <i>Voenna-Med. Zhur.</i> 1947, No. 5, 32-4. The method depends on titration of iodine, from oxidation of KI by $K_2Cr_2O_7$, by the plant ext. with loss of color as the end point. Calibrated drop-pipets are used for simplicity. In typical estns. of pine-needle ext., 1 drop of 0.1 N $K_2Cr_2O_7$, 2 drops of 10% KI, 2 drops of 1:2 HCl, 2 drops of 1% starch soln. are mixed and then titrated dropwise by the ext. The calcn. is: $x = 8.8a/b$, where x is mg.% of vitamin C, a is the vol. of $K_2Cr_2O_7$ soln., and b is the vol. of the ext. The amts. stated above can be varied to fit the requirements of special diln. or concn.</p> <p>G. M. Kosolapoff</p>			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION		17	
FROM SYNDICATE		17	
17		17	

100 AND 1000 SERIES										400 AND 4000 SERIES									
PROCESS AND PROPERTIES INDEX																			
CA		<div style="float: right; font-size: 2em;">6</div> <p>A pipet as a substitute for a microburet. I. L. Korotkov-Gigiena i San. 12, No. 7, 40-50(1947).—A pipet that can be successfully used in microtitration, and can replace the microburet, consists of 2 rubber tubes; the upper tube, the sucking part of the pipet, is 75 mm. long, outside diam. 13 mm., and inside diam. 9 mm. The lower tube, the titrating part, is 30 mm. long, outside diam., 6.5 mm., and inside diam. 3 mm. Inside of this tube there is a glass bead which closes the opening. The titration tube is inserted into the suction tube to the depth of 8 mm. The two tubes are joined for firmness and airtightness by a glass tube 9 mm. long. On the top of the suction tube there is an additional rubber muff, which serves the same purpose of tightening and hermetic sealing. The sucking and the equalization of the titrating liquid are effected by compressing with the fingers. Anatolia J. Romanoff</p>																	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYMBLAW										FROM BOWMAN									
SYMBOLS - 2										SYMBOLS - 10									
SYMBOLS - 10										SYMBOLS - 10									

KOROTKOV, I. N.

2172
Hydrogen sulfide apparatus for treatment of vitamin
extracts. I. N. Korotkov. Gigiena i Sanit. 13, No. 2,
53-4 (1948) (in Russian). Hermetic app. for the pptn.
of PbS in the detn. of vitamin C. N. Thou

CA

ND

Accumulation of vitamin C in pine needles on storage.
I. L. Korotkov. *Gigiena i Sanit.* 13, No. 10, 40-41, 19181;
Ch. C.A. 42, 1386. -- Needles of various conifers exhibit
on storage in the snow, a significant increase of vitamin C
content in the course of the winter, similar to that ob-
served in the living plants. This ceases within 2 months,
after which a decline sets in. Hence, the needles may be
collected in late fall instead of in the winter, and stored
appropriately in the cold. G. M. Kosolapoff

KOROTKOV, I.L.

Tung oil as source of food poisoning and its detection. *Gig. Sanit.*, Moskva No.1:38-39 Jan 51. (CLML 20:5)

1. Of Leningrad Institute of Soviet Trade and of the Central Scientific Research Laboratory of Leningrad Main Administration for Restaurants (Lenglavrestoran).

CA

/2

| Drying in oil without thermometer. I. L. Kozlov.

Gigiena i Sanit. 1961, No. 11, 37. -- Food specimens, etc., can be readily dried by immersion in oils like cottonseed, sunflower, or fish fat, which foam on heating if H_2O is present. Heating is done in a dish with gentle stirring 0.5-1.5 hrs. until all signs of foam vanish. Results check within 0.25%. a
G. M. Kozlov

KOROTKOV, I.I., kand.med.nauk; KUZ'MIN, D.I., kand.med.nauk

Hygienic evaluation of certain anticorrosion lining of water
containers. Gig. i san. 24 no.3:79-82 Mr '59. (MIRA 12:5)

(WATER SUPPLY,

hyg. aspect of anti-corrosion lining of water
containers (Rus))

KOROTKOV, I.I.

Exact determination of tabular data on the ascorbic acid
content of potatoes. Vop. pit. 22 no.3:85 My-Je '63.

(MIRA 17:8)

1. Iz kafedry gigiyeny (zav. - prof. Kh.A. Nikogosyan)
Kuybyshevskogo meditsinskogo instituta.

KOROTKOV, I. M. Cand Ped Sci -- (diss) "~~Study~~ Study of the Experience
derived from the use of
~~Gained in Applying~~ Mobile Games in Pioneer ~~Boy Scout~~ Camps."

Mos, 1957. 16 pp 22 cm. (State Central Order of Lenin Inst of
Physical Culture im. I. V. Stalin), 100 copies (KL, 18-57, 99)

- 66 -

KOROTKOV, I.V., brigadir shtukatur

Our competition for the title of the brigade of communist labor.
Transp.stroi. 10 no.7:6-7 J1 '60. (MIRA 13:7)
(Gorkiy--Plastering)

KOROTKOV, K., kand.ekonom.nauk

Intensify the modernization of equipment. NTO 3 no.3:26-27 Nr '61.
(MIRA 14:3)

1. Direktor Gosudarstvennogo nauchno-tekhnicheskogo izdatel'stva
mashinostroitel'noy literatury.
(Industrial Equipment--Technological innovations)

KOROTKOV, K.

One would like to work still better. Rech. transp. 20 no.12:4
D '61. (MIRA 14:12)

1. Nachal'nik Volzhskogo ob'yedinennogo rechnogo parokhodstva.
(Inland water transportation)

KOROTKOV, K.

We shall keep the word given to our country. Rech. transp. 20
no.10:9-10 0 '61. (MIRA 14:9)

1. Nachal'nik Volzhskogo ob'yedinennogo parokhodstva.
(Volga River--Inland water transportation)

KOROTKOV, K.

Volga River transportation workers are starting the fourth year
of the seven-year period. Rech. transp. 21 no.3:6-9 Mr '62.
(MIRA 15:4)

1. Nachal'nik Volzhskogo ob'yedinennogo parokhodstva.
(Volga River—Inland water transportation)

KOROTKOV, K.

Developing rapid transportation in the Volga River basin. Rech.
transp. 22 no.11:16-17 N '63. (MIRA 16:12)

1. Nachal'nik Volzhskogo ob'yedinennogo rechnogo parakhodstva.

KOROTKOV, K.

Entering the fifth year of the seven-year plan. Rech. transp. 22
no.4:4-5 Ap '63. (MIRA 16:4)

1. Nachal'nik Volzhakogo ob'yedinennogo parokhodstva.

(Inland water transportation)

KOROTKOV, K.

Role of the Volga-Baltic Sea Waterway in the turnover of
freight on the Volga. Rech. transp. 23 no.7:11 J1 '64.

(MIRA 17:10)

1. Nachal'nik Volzhskogo ob'yedinennogo parokhodstva.

KOROTKOV, E.

Results of the first navigation period on the Volga River. Rech.
transp. 24 no.8:10-11 '65. (MIRA 18:9)

1. Nachal'nik Volzhskogo ob'yedinennogo parokhodstva.

L 46168-66

ACC NR: AP6026347

(N)

SOURCE CODE: UR/0310/66/000/004/0010/0011

AUTHOR: Korotkov, K. (Chief)

41
B

ORG: Volga United Steamship Lines (Volzhskoye ob'yedinennoye parakhodstvo)

TITLE: Development of high-speed transport

SOURCE: Rechnoy transport, no. 4, 1966, 10-11

TITLE: shipbuilding engineering, inland waterway transportation, inland vessel data,
hydrofoil, diesel engine, gas turbine engine / M-401 diesel engine, M-50
diesel engine, M-400 diesel engine

ABSTRACT: The development of Volga River passenger lines using hydrofoil vessels (since August 1957) is discussed. The number of vessels have increased from 1 (in 1957) to 43 (in 1965) as shown in a table. The increase in annual number of passengers for the same period was from 2,100 to 2,040,000 passengers. In 1965 there were 28 boats of "Raketa" class and 15 "Meteor" boats operating on 45 high-speed shiplines. The total line length was about 8000 km. In connection with these lines, the names of several captains and engineers are mentioned. Two new gas-turbine vessels of "Burevestnik" and "Sormovich" classes are in development. "Burevestnik" was tested on the 440-km Gor'kiy-Kazan' line which was covered in 4 hr, 20 min. "Sormovich" showed a test speed of about 125 km/hr. It is expected that this speed will be increased up to 150 km/hr as a result of further developments and improvements. It is estimated that a speed of at least 130 km/hr is

Card 1/2

UDC: 656.62.072.003

9/056/63/044/001/008/067
B108/B180

AUTHORS: Korotkov, K. A., Kabachenko, A. P., Lysikov, Yu. A., Dobrov, Yu. V.

TITLE: Internal bremsstrahlung which accompanies the β -decay of Ca^{45}

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, 1963, 45 - 47

TEXT: The bremsstrahlung was measured at 40 - 215 kev on a single-channel scintillation spectrometer with an NaI(Tl) crystal in an aluminum container. The Ca^{45} beta sources were prepared from a solution of calcium chloride and powdered CaCO_3 applied to and covered by a methacrylate film of 0.1 mg/cm^2 . The sources were kept at a pressure of 1 mm Hg. The spectrum was compared with that calculated according to the theory of J. K. Knipp and G. E. Uhlenbeck (Physica, 3, 425, 1936) and P. Bloch (Phys. Rev., 50, 4272, 1936). At low energies (60 - 130 kev) both curves agree very well, but at higher energies the discrepancy is considerable (35 % at 215 kev) and cannot be eliminated by taking the Coulomb effect into consideration. There is 1 figure.
Card 1/2

L 13832-66 EWP(m)/EWP(j) DIAAP RM

ACC NR: AP6002680

SOURCE CODE: UR/0048/65/029/012/2243/2246

AUTHOR: Korotkov, K.A.; Shumeyko, A.P.ORG: Voronezh State University (Voronezhskiy gosudarstvennyy universitet)

TITLE: Investigation of internal bremsstrahlung accompanying beta decay of phosphorus-32 with a two-crystal scintillation spectrometer employing pulse addition/Transactions of the Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure held at Minsk 25 January to 2 February 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 12, 1965, 2243-2246

TOPIC TAGS: bremsstrahlung, beta decay, phosphorus, scintillation spectrometer, Compton effect, spectral energy distribution,

ABSTRACT: The internal bremsstrahlung spectrum of P^{32} was recorded from 300 to 1440 keV with a two-crystal scintillation spectrometer employing pulse addition. Compton scattered photons and the corresponding recoil electrons were detected in two 40 x 40 mm NaI crystals. The pulses from the two photomultipliers were brought both to a coincidence circuit with a resolving time of 100 nanosec and to an adder. The output of the adder, a pulse whose height was equal to the sum of the heights of the two input pulses, was accepted by the 100-channel pulse height analyzer only when the latter was triggered by a pulse from the coincidence circuit. A single-channel pulse height analyzer in one of the input lines to the coincidence circuit was adjusted to pass pulses arising photons that had undergone 180° Compton scattering. The resolution

Card 1/2

L 13832-66

ACC NR: AP6002680

3
of the spectrometer was 10% at 660 keV; it was calibrated three times a day against 5 different gamma lines, and the calibration did not change by more than 1% during recording of the internal bremsstrahlung spectrum. The P^{32} source with an activity of 5.3×10^5 decays/sec was deposited on a 2μ plastic film, fastened to a Plexiglas disk, and mounted 2 cm from the analyzing scintillator and 6.5 cm from the control scintillator. Direct access of beta particles to the scintillators was prevented by two 1.025 g/cm^2 disks of beryllium. The accidental coincidence rate was determined by introducing a delay line in one of the coincidence circuit inputs, and was subtracted from the data. Corrections were introduced for decay of the source, the energy resolution of the spectrometer, the gamma-ray recording efficiency, the residual continuous distribution accompanying the total absorption line, external bremsstrahlung in the beryllium absorbers, and miscounting. At all energies the measured internal bremsstrahlung was higher than given by the theories of J.K.Knipp and G.E.Uhlenbeck (Physica, 3, 425 (1936)), S.B.Nilsson (Arkiv fys., 10, 467 (1956)), and R.R.Lewis and G.W.Ford (Phys. Rev., 107, 756 (1957)). The measurements were in agreement with the theory of G. Felsner (Z. Phys., 174, 43 (1963)) only over the narrow range from 850 to 1150 keV; at higher energies the observed internal bremsstrahlung intensity was greater than the predicted, and at lower energies it was less. The total energy of the internal bremsstrahlung was found to be $2.63 \times 10^{-3} \text{ mc}^2/\beta$. The present measurements are in good agreement with those of K.Linden and N.Starfelt (Phys.Rev., 97, 419 (1955)) and K.A.Korotkov and A.M.Chernikov (Izv.AN SSSR, Ser.fiz., 24, No.7, 899 (1960)). Orig. art. has: 2 figures and 1 table.

SUB CODE: 18

SUBM DATE: none ORIG. REF: 001

OTH REF: 016

Card 2/2

AP6002681 DIAAP RM

ACC NR: AP6002681

SOURCE CODE: UR/0048/65/029/012/2247/2249

AUTHOR: Korotkov, K.A.; Kryshkin, V.I.

ORG: Voronezh State University (Voronezhskiy gosudarstvennyy universitet)

TITLE: Investigation of internal bremsstrahlung ^{19.44.55} accompanying beta decay of phosphorus-32 with a three-crystal scintillation spectrometer (Transactions of the Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure held at Minsk 25 January to 2 February 1965)

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya. v. 29, no. 12, 1965, 2247-2249

TOPIC TAGS: bremsstrahlung, beta decay, phosphorus, scintillation spectrometer, Compton effect, spectral energy distribution,

ABSTRACT: The authors have continued the investigation of the internal bremsstrahlung from P³², the initial stages of which were reported in the preceeding paper by K.A. Korotkov and A.P. Shumeyko (Izv. AN SSSR Ser. Fiz., 29, 2243 (1965)/ see Abstract AP6002680/). In the present work with the two-crystal scintillation Compton spectrometer described in the preceeding paper was employed to detect and measure the energy of the internal bremsstrahlung; the spectrometer was provided with a third channel, however, and only triple coincidences between the Compton electron, the Compton scattered photon, the beta particle were recorded. The beta channel employed a 7 mm thick tolan scintillator which was so mounted as to record beta particles emitted at

Card 1/3

L 13836-66

ACC NR: AP6002681

right angles to the direction of the internal bremsstrahlung photon. The triple coincidence technique has the following advantages over the double coincidence technique employed in the earlier work; differential spectra can be recorded; it is not necessary to know the absolute intensity of the source; no correction for external bremsstrahlung is required; larger solid angles can be used; and the background due to the continuous Compton distribution accompanying the total gamma-ray absorption line is completely avoided. The counting rate is low, however. The spectrometer was calibrated twice daily with gamma rays from the aid of Co^{60} and $\text{Zr}^{95} + \text{Nb}^{95}$ sources, and it remained stable within 1% during the measurements. The P^{32} source was prepared by evaporating a Na_2HPO_4 solution in a 2.5 mm diameter 3 mm high Plexiglas cylinder with 0.5 mm wall thickness and was mounted on between the two scintillators of the Compton spectrometer at a distance of 2 cm from one scintillator and 6.5 cm from the other. The tolane crystal for detecting beta particles was located 4 cm from the source. The intensity of the source was 1.17×10^6 decays/sec; it was shielded on two sides with 1.025 g/cm^2 disks of beryllium to avoid accidental coincidences due to beta particles. The accidental coincidence rates were determined by introducing delay lines into different inputs to the coincidence circuit and correction was made for them. The internal bremsstrahlung spectrum was recorded over the photon energy range from 300 to 1600 keV. At photon energies below 900 keV, the measurements are in good agreement with the theory of J.K.Knipp and G.E.Uhlenbeck (Physica, 3, 425, (1936)) as corrected for the Coulomb effect by R.R.Lewis and G.W.Ford (Phys.Rev., 107, 756 (1957)) and S.B.Nilsson (Arkiv fys., 10, 467 (1956)). At higher energies the measured internal bremsstrahlung intensity is considerably greater than the theoretical.

Card 2/3

L 13030-00

ACC NR: AP6002681

The present results are in good agreement with those of B. Persson (Nucl. Phys., 55, 49 (1964)) over the energy range (to 1200 keV) to which the latter extend. Orig. art. has: 2 figures.

SUB CODE: 18/

SUBM DATE: none ORIG. REF: 001

OTH REF: 004

CC
Card 3/3

BOGOMOLOV, A. I.

Dynamo

Overhauling the coupling of a turbogenerator, Elek. sta. 23 no. 3:58-59 Mr '52.

Inzh.

SO: Monthly List of Russian Accessions, Library of Congress, July ² 195~~8~~⁹, Uncl.

S/048/60/024/007/009/011
B019/B060

AUTHORS: Korotkov, K. A., and Chernikov, A. M.

TITLE: The Inner Bremsstrahlung Accompanying the Beta Decay of
P³² 19

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,
Vol. 24, No. 7, pp. 899-902

TEXT: This is the reproduction of a lecture delivered at the 10th All-
Union Conference on Nuclear Spectroscopy held in Moscow from January 19
to 27, 1960. The authors carried out their experiments with the aid of a
scintillation spectrometer provided with a NaI(Cl) crystal; the beta par-
ticles were absorbed by a beryllium disk 1.025 g·cm⁻² thick. Fig. 1 shows
the experimental arrangement which is discussed in great detail. The
P³² source obtained from a Na₂HPO₄ solution was concentrated on an organic
film by evaporation. The spectra were determined with two different sources
(2 and 0.11 millicuries). Details concerning the calibration are discussed

Card 1/2

AUTHOR: Korotkov, K.I. (Engineer) SOV/94-58-9-5/ 30

TITLE: The construction of guide vane equipment (TsNA)
(O konstruktzii napravlyayushchego apparata (TsNA))

PERIODICAL: Promyshlennaya Energetika, 1958, No.9. pp. 16-18 (USSR)

ABSTRACT: An article by Cand.Tech.Sci. L.A. Rikhter, published in Promyshlennaya Energetika No.3. 1957, described a central guide vane equipment for fans. The advantages that result from using guide vane equipment rather than dampers to control the output of fans have been known for a long time, but are still not taken full advantage of, and are therefore recalled here. A construction of guide vane apparatus somewhat simpler than that used by Rikhter is then described. An outline drawing of the equipment in three typical positions is given in Fig.1. Fig.2. and the table give test results on a small fan to compare the guide vane and dampers; the power economy can be over 30%. Working drawings of the guide vane apparatus are given in Fig.3. and the individual parts are described. The recommended procedure for assembling, installing and adjusting the equipment are given. The use of this equipment is recommended for medium sized fans when there is no special pipework on the inlet side.

Card 1/2

The construction of *guide vane equipment* (TsNA)

SOV/94-58-9-5/30

There are 3 figures, 1 table and 1 literature reference
(Soviet).

1. Vane diffusers--Design
2. Vane diffusers--Effectiveness
3. Control systems--Equipment

Card 2/2

KOROTKOV, K.N.

Deceased *before 1961*

Chemistry

See ILC

KOROTKOV K.P.

SKVORTSOV, A.A., kandidat tekhnicheskikh nauk; AKIMENKO, A.D.; KOROTKOV, K.P.,
inzhener.

Processes of solidification and heat loss during continuous casting.
(MIRA 10:9)
Stal' 16 no.10:883-890 O '56.

1. Zavod "Krasnoye Sormovo" i Gor'kovskiy politekhnicheskii institut.
(Steel ingots--Cooling) (Solidification)

Korotkov, K. P.

137-1957-12-23430

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 86 (USSR)

AUTHOR: Korotkov, K. P.

TITLE: The Installation for Continuous Casting of Steel at the "Krasnoye Sormovo" Plant (Ustanovka nepreryvnoy razlivki stali na zavode "Krasnoye Sormovo")

PERIODICAL: V sb.: Novoye v liteyn. proiz-ve Nr 2. Gor'kiy, Knigoizdat, 1957, pp 139-149

ABSTRACT: A detailed description of the design of a twin-channel installation erected at the open-hearth shop of the "Krasnoye Sormovo" plant for the continuous casting of steel into ingots of 175 x 420 mm cross section. The unit employs the consecutive-cycle principle in supplying water for the crystallizing basin and for the secondary cooling. Only 100 m³/hr of water must be added to the system from the plant's water main in order to compensate for losses. The employment of this system resulted in approximately a five-fold reduction in the consumption of water from the water main. The dismountable crystallizing basin is equipped with compensating devices, chrome-plated operating walls made of copper, and has a capacity of 3500 t. The Cu is consumed in the crystallizer

Card 1/2

137-1957-12-23430

The Installation for Continuous Casting of Steel (cont.)

at a rate of 0.1 kg per 1 ton of steel. The productivity of the installation is 54-60 t/hr. The adaptation of the method of continuous casting provided better working conditions for the foundry workers. The average air temperature in hot areas of the installation at the "Krasnoye Sormovo" plant is 11° lower than that in the vicinity of the iron runner. On the strength of the operational results of the first installation, it has been decided to install a second unit in order to cast all of the metal smelted in the open-hearth shop by means of the continuous process.

N.N.

1. Steel casting apparatus-Installation
2. Steel casting apparatus-Design
3. Steel casting apparatus-Characteristics

Card 2/2

18(5)

PHASE I BOOK EXPLOITATION

SOV/1347

Korotkov, Konstantin Petrovich, Nikolay Pavlovich Mayorov,
Aleksey Anotol'yevich Skvortsov, and Anatoliy Dmitriyevich
Akimenko

Proyshlennoye primeneniye nepreryvnoy razlivki stali (Industrial
Applications of Continuous Casting of Steel) Leningrad,
Sudpromgiz, 1958. 150 p. 2,200 copies printed.

Scientific Ed.: Malakhovskiy, G.V.; Ed.: Shaurak, Ye. N;
Tech. Ed.: Frumkin, P.S.

PURPOSE: This book is intended for designers and technologists
working in the field of the continuous casting of steel. It
may also be useful to students at metallurgical institutes and
tekhnikums, as well as to engineers and technicians.

Card 1/6

KOROTKOV, K.P.

PHASE I BOOK EXPLOITATION SOV/5383

Anatoliy Dmitriyevich Akimenko, Konstantin Petrovich Korotkov, Nikolay Pavlovich Mayorov, Aleksey Anatol'yevich Skvortsov, and Lev Borisovich Shenderov

Osvoyeniye nepreryvnoy razlivki stali (Mastering the Process of Continuous Steel Casting) Leningrad, Sudpromgiz, 1960. 225 p. 3,700 copies printed.

Scientific Ed.: G.V. Malakhovskiy; Ed.: M.A. Aptekman; Tech. Ed.: R.K. Tsai.

PURPOSE: This book is intended for designers and process engineers of continuous steel-casting plants and for staff members of scientific research organizations engaged in the investigation of the continuous casting process. It may also be used by students specializing in this field of metallurgy.

COVERAGE: The authors discuss results of experience in setting up and putting into operation the first industrial plant for continuous casting of steel at the "Krasnoye Sormovo" Works. Attention is also given to an investigation of the continuous casting process and to the design of the second continuous steel-casting plant which is now under construction at the same works. In 1958 a group of staff members of the Novotul'skiy and Sormovo Works (G.V. Gurskiy, M.D. Gritsun, V.A. Kazanskiy, N.L. Komandin, K.P. Korotkov, N.P. Mayorov,

~~Card 1/4~~

Mastering the Process of Continuous Steel Casting

SOV/5383

N.N. Smel'yakov, and A.V. Khripkov), headed by Academician I.P. Baradin, were awarded the title of Laureate of Lenin's Prize for their work in mastering the continuous steel-casting process. Staff members of the TsNIIChM (Central Scientific Research Institute of Ferrous Metallurgy), the Scientific Research Institute of the former Ministry of the Shipbuilding Industry, the VNIIavtogen (All-Union Scientific Research Institute of the Autogenous Treatment of Metals), and other organizations took an active part in the investigation of the continuous casting process. Heat emission and solidification processes were investigated by the Gor'kiy politekhnicheskii institut (Gor'kiy Polytechnic Institute). There are 54 references: 52 Soviet, 1 English, and 1 German.

TABLE OF CONTENTS:

Foreword	3
Ch. I. Designs and Principle of the Operation of Continuous Steel-Casting Plants	
1. Development of the continuous steel-casting method	5
2. Continuous steel-casting plant operating at the "Krasnoye Sormovo" mill	5
Card 2/4	10

LAGUNOV, L.; KOROTKOV, L.

Using capron for making automobile parts in repairing. Avt.transp.
38 no.11:26-28 M '60. (MIRA 13:11)

1. Khar'kovskiy avtodorozhnyy institut.
(Plastics--Molding)

KOROTKOV, L.A.

Problem of objective galvanometric recording of phenomena of pain. Sov.med. 17 no.12:15-17 D '53. (MLA 6:12)

1. Is Krasnousol'skogo sanatoriya (nauchnyy rukovoditel' - zaslu-
zhennyy deyatel' nauki Bashkirskoy ASSR professor I.I.Savchenko)
Bashkirskoy ASSR.

(Pain) (Galvanometer)

KOROTKOV, L.A., kapitan med.slyzhby

Use of galvanometry in recording evidence of pain. Voen.-med.
zhur. no.12:23-27 D '55 (MIRA 12:1)
(ELECTROPHYSIOLOGY)
(MEDICAL INSTRUMENTS AND APPARATUS)

EXCERPTA MEDICA Sec.8 Vol.11/1 Neurology,etc. Jan 58

32. GALVANOMETRIC EXAMINATION OF VEGETATIVE ASYMMETRY (Russian text) - Korotkov L. A. Ž. NEVROPAT. PSIKHIAT. (Mosk.) 1956, 56/7 (548-551) Tables 2-Figures 2

A method and apparatus (mirror galvanometer and a galvanic cell) for galvanometric investigation of vegetative disturbances are described. By means of a simple device it is possible to find the asymmetry of vegetative disturbances, such as perspiration. The apparatus is handy and can easily be employed for diagnosis.

Hádlík - Brno

KOROTKOV, L.A.

Clinical aspects of primary serous meningitis. Zhur. nevr. i psikh.
59 no.3:307-310 '59. (MIRA 12:4)

(MENINGITIS, case reports,
primary serous (Rus))

FISHZON-RYSS, Yu.I., kand.med.nauk (Solnechnogorsk, Moskovskoy oblasti);
KOROTKOV, L.A. (Solnechnogorsk, Moskovskoy oblasti); KOLESNIKOV,
A.I. (Solnechnogorsk, Moskovskoy oblasti)

Clinical aspects and treatment of atrophic myotonia. Vrach.
delo no.10:146-148 0 '62. (MIRA 15:10)
(MYOTONIA)

KOFOTKOV, L.A.

Cutaneous galvanic reflex as an objective index of pain sensations.
Zhur.nevr. i psikh. 66 no.1:23-25 '66.

(MIRA 19:1)

1. Nauchno-issledovatel'skiy psikhonevrologicheskii institut im.
Bekhtereva (nauchnyy rukovoditel' - prof. V.M.Myasishchev),
Leningrad. Submitted June 9, 1964.

AUTHOR: Gredeskul, A.B., Korotkov, I. I. 113-58-7-5/25

TITLE: Testing of Pintle Bushings of the Steering Knuckle with Respect to Wear Resistance (Ispytaniya vtulok shkvornya povorotnoy tsapfy na iznosostoykost')

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 7, pp 12-13 (USSR)

ABSTRACT: Automobile parts made of kapron were tested on a stand especially designed for GAZ-51 parts. Large vertical loads were placed on the steering knuckle. The rotation of the bushings with respect to the pintle was kept at the most used rotation angle of the wheels. The pintle bushings were exposed to stresses effected by braking and lateral effects which were of lesser interest. The static load on each frontwheel of the GAZ-51 car is 650 kg in an empty state and 800 kg when loaded. In motion, the load effect is distributed along longitudinal and lateral planes. The experimental stresses were changed from a minimum 300 to 400 kg to a maximum 1,000 to 1,200 kg. When this article was written, the steering knuckle pintle bushings had been exposed to 70 to 80 hours of testing, which is equal to 30,000 to 35,000 km covered by a car. The bushings had to be exchanged in only one case. The test is being continued.

Card 1/2 There are 2 diagrams, 1 graph and 1 Soviet reference.

113-58-7-5/25

Testing of Pintle Bushings of the Steering Knuckle with Respect to Wear Resistance

ASSOCIATION: Khar'kovskiy avtodorozhnyy institut (The Khar'kov Highway Institute)

1. Bushings---Test results 2. Bushings--Stresses 3. Automobiles
---Production

Card 2/2

KOROTKOV, L.I.

Effect of the driving axle differential on the stability of the
rectilinear motion of motor vehicles. Avt.prom. 27 no.11:13-15
N '61. (MIRA 14:10)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.
(Motor vehicles--Dynamics)

S/653/61/000/000/036/051
I007/I207

AUTHORS: Gredeskul, A.B., Korotkov, L.I., Lagunov, L.Ya.,
and Sukhorukov, A.R.

TITLE: Design and operation of caprone automotive
components

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii.
Pervaya resp. nauch.-tekhn. konfer. po vopr. prim.
plastmass v mashinostr. i priborostr., Kiev, 1959.
Kiev, Gostekhizdat, 1961, 395-408

TEXT: This is a report of investigations carried out by a
series of scientific research institutes in co-operation with indus-
try in order to obtain optimum data for the design and operation of
automotive components. Results of laboratory and field tests are
presented and the performance of a series of caprone elements is
amply described. In the conclusion, suggestions for suitable design
and operation are made. There are 4 figures.

Card 1/1

KOROTKOV, Lev Ivanovich; KALYUZHNYA, T.P., red.; VLASOVA, N.A.,
tekhn. red.

[Reference book on radioisotope devices for the control
and automation of technological processes] Spravochnik po
radioizotopnym priboram dlia kontroliia i avtomatizatsii
tekhnologicheskikh protsessov. Moskva, Gosatomizdat, 1963.
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AUTHOR: Sukhorukov, A. R. (Docent); Korotkov, L. I. (Engineer); Gonchar, L. G. (Engineer); Malyshev, A. A. (Engineer) 43
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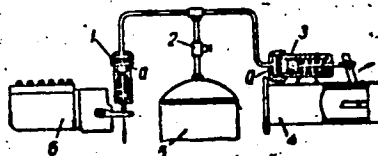
ORG: Kharkov Automobile-Highway Institute (Khar'kovskiy avtomobil'no-dorozhnyy institut)

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ABSTRACT: The authors present some of the results from studies carried out at the Kharkov Automobile-Highway Institute and the Kremenchug Automobile Plant on the efficiency of diesel engine exhaust-assisted braking. KrAZ-256 dump trucks with YaMz-238 four-cycle diesel engines were used throughout the test. The fully equipped truck weighs 1150 kg and has a 10-ton load capacity. An exhaust braking system was produced at the plant to



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increase the braking effect of the YaMZ-238 engine (see figure). A hollow cylinder (4) with a baffle was attached to a section of the exhaust pipe passing under the cab. The baffle is controlled by the pneumatic cylinder piston (3). A similar pneumatic cylinder (1) was mounted on a bracket in the engine block for shutting off fuel pump (6) delivery. The exhaust braking system is activated by opening a valve (2) located in the cab. This brings compressed air up from the receiver (5) simultaneously to both pneumatic cylinders. Pneumatic system activation time, synchronization of exhaust baffle cutoff and fuel delivery shutoff can be controlled by varying the cross section of the passage α . All road tests were carried out on asphalt cement highways. The trucks were tested both with and without loading on level stretches and on 3-6% grades. Three operating conditions were tested for each level and graded run: 1. fuel delivery and exhaust baffle shutoff; 2. delivery shutoff with the exhaust baffle open; 3. exhaust baffle shutoff and minimum fuel delivery. The results show that the use of an exhaust pipe baffle in four-cycle diesel engines increases the efficiency of engine-assisted braking. Orig. has: 5 figures, 1 table.

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